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OM protein - protein search, using sw model

Run on: January 16, 2003, 12:49:17 : Search time: 4:13:4 seconds
(without alignments)
32 360 Million cell updates/sec

Title: us-09-856-070-16

Perfect score: 25

Sequence: 1 EREKE 5

Scoring table: RIQSUM62

Gapop 10.0, Gapext 0.5

Searched: 120991 seqs 19878514 residues

Total number of hits satisfying chosen parameters: 120991

Minimum hit seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cqn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
- 2: /cqn2_6/ptodata/2/pubpaa/PTI_NEW_PUB.pep:*
- 3: /cqn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
- 4: /cqn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
- 5: /cqn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
- 6: /cqn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
- 7: /cqn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
- 8: /cqn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
- 9: /cqn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
- 10: /cqn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
- 11: /cqn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
- 12: /cqn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*
- 13: /cqn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
- 14: /cqn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	25	100.0	39	10	us-09-864-761-36629, A Sequence 26629, A
2	25	100.0	46	10	us-09-864-761-36491, A Sequence 36491, A
3	25	100.0	55	10	us-09-864-761-39296, A Sequence 39296, A
4	25	100.0	57	10	us-09-864-761-44799, A Sequence 44799, A
5	25	100.0	64	10	us-09-864-761-39206, A Sequence 39206, A
6	25	100.0	80	10	us-09-864-761-34330, A Sequence 34330, A
7	25	100.0	87	10	us-09-864-864-1540, A Sequence 1540, A
8	25	100.0	94	10	us-09-864-761-33472, A Sequence 33472, A
9	25	100.0	121	10	us-09-864-864-1125, A Sequence 1125, A
10	25	100.0	170	10	us-09-864-761-46721, A Sequence 46721, A
11	25	100.0	178	10	us-09-925-297-592, A Sequence 592, A
12	25	100.0	259	10	us-09-925-299-822, A Sequence 822, A
13	25	100.0	264	10	us-09-864-864-1123, A Sequence 1123, A
14	25	100.0	336	10	us-09-848-294-5, A Sequence 5, A
15	25	100.0	337	9	us-09-738-626-5874, A Sequence 5874, A
16	25	100.0	348	10	us-09-764-864-1143, A Sequence 1143, A
17	25	100.0	406	10	us-09-881-752A-184, A Sequence 184, A
18	25	100.0	415	10	us-09-925-300-1452, A Sequence 1452, A
19	25	100.0	432	10	us-09-840-787-47, A Sequence 47, A

ALIGNMENTS

RESULT 1

us-09-864-761-36629, Application US/09864761
Sequence 36629, Application US/09864761
Latent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharon G.

APPLICANT: Penn, Sharon G.

APPLICANT: Penn, Sharon G.

APPLICANT: Penn, Sharon G.

APPLICANT: Penn, Sharon G.

APPLICANT: Penn, Sharon G.

APPLICANT: Penn, Sharon G.

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APPLICANT: Penn, Sharon G.

APPLICANT: Penn, Sharon G.

APPLICANT: Penn, Sharon G.

APPLICANT: Penn, Sharon G.

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; PRIOR APPLICATION NUMBER: PCT/US01/006670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 66/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 36629
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC010737.2
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL - 8.4
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 7.8
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL - 8.7
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL - 7
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 9.2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 11
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 8.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 9.3
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 8.9
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL - 8.4
; OTHER INFORMATION: EST HUMAN HIT: A1985689.1, EVALU8 3.00e-04
; OTHER INFORMATION: SWISSPROT HIT: P75125, EVALU8 8.10e-00
US 09-864-761-36629

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Query Match 100.0%; Score 25; DB 10; Length 49;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 EREKE 5
    11111
Db 28 EREKE 42

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RESULT 2

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US-09-864-761-36491
; Sequence 36491, Application US/09864761
; Patent No. US20020048763A1

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GENERAL INFORMATION:

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; APPLICANT: Rank, David K.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Accmeca-X-1
; CURRENT APPLICATION NUMBER: US 09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 2426336
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 66/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 36491
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC012443.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 2.4
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 3.2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 2.7
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL - 2.5
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL - 3.5
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL - 2.6
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 2.8
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL - 2.7
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 2.7
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 2.2
; OTHER INFORMATION: EST HUMAN HIT: A0139074.1, EVALU8 2.00e-05
US-09-864-761-36491

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Query Match 100.0%; Score 25; DB 10; Length 46;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 EREKE 5
    11111
Db 11 EREKE 15

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RESULT 3

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US-09-864-761-39296

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; Sequence 39296, Application US/09864761
; Patent No. US20020048763A1

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GENERAL INFORMATION:

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; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David K.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Accmeca-X-1
; CURRENT APPLICATION NUMBER: US 09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 2426336
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667

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? PRIOR FILING DATE: 2001-01-30
 ? PRIOR APPLICATION NUMBER: PCT/US01/00664
 ? PRIOR FILING DATE: 2001-01-30
 ? PRIOR APPLICATION NUMBER: PCT/US01/00669
 ? PRIOR FILING DATE: 2001-01-30
 ? PRIOR APPLICATION NUMBER: PCT/US01/00665
 ? PRIOR FILING DATE: 2001-01-30
 ? PRIOR APPLICATION NUMBER: PCT/US01/00668
 ? PRIOR FILING DATE: 2001-01-30
 ? PRIOR APPLICATION NUMBER: PCT/US01/00663
 ? PRIOR FILING DATE: 2001-01-30
 ? PRIOR APPLICATION NUMBER: PCT/US01/00670
 ? PRIOR FILING DATE: 2001-01-30
 ? PRIOR APPLICATION NUMBER: US 60/234,687
 ? PRIOR FILING DATE: 2000-09-21
 ? PRIOR APPLICATION NUMBER: US 09/606,408
 ? PRIOR FILING DATE: 2000-06-30
 ? PRIOR APPLICATION NUMBER: US 09/774,203
 ? PRIOR FILING DATE: 2001-01-29
 ? NUMBER OF SEQ ID NOS: 49117
 ? SOFTWARE: Anomax Sequencer Listing Engine vers. 1.1
 ? SEQ ID NO 39296
 ? LENGTH: 55
 ? TYPE: PRT
 ? ORGANISM: Homo sapiens
 ? FEATURE:
 ? OTHER INFORMATION: MAP TO ACC00407.1
 ? OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
 ? OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.3
 ? OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.1
 ? OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.8
 ? OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.2
 ? OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5
 ? OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.4
 US-09-864-761-39296

Query Match 100.0% Score 25; DB 10; Length 55;
 Best Local Similarity 100.0%; Pred. No 20;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EREKE 5
 DB 28 EREKE 32

RESULT 4
 US-09-864-761-44799
 ? Sequence 44799, Application US/09864761
 ? Patent No. US20020048763A1
 ? GENERAL INFORMATION:
 ? APPLICANT: Penn, Sharon G.
 ? APPLICANT: Hank, David K.
 ? APPLICANT: Hanzel, David K.
 ? APPLICANT: Chen, Wensheng
 ? TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEOTIC ACID PROBES USEFUL FOR
 ? FILE REFERENCE: Acomica-X-1
 ? CURRENT APPLICATION NUMBER: US/09/864,761
 ? PRIOR FILING DATE: 2001-05-23
 ? PRIOR APPLICATION NUMBER: US 60/180,312
 ? PRIOR FILING DATE: 2000-02-04
 ? PRIOR APPLICATION NUMBER: US 60/207,456
 ? PRIOR FILING DATE: 2000-05-26
 ? PRIOR APPLICATION NUMBER: US 09/632,358
 ? PRIOR FILING DATE: 2000-08-04
 ? PRIOR APPLICATION NUMBER: GB 24263 A
 ? PRIOR FILING DATE: 2000-10-04
 ? PRIOR APPLICATION NUMBER: US 60/236,359
 ? PRIOR FILING DATE: 2000-09-27

? PRIOR APPLICATION NUMBER: PCT/US01/00666
 ? PRIOR FILING DATE: 2001-01-30
 ? PRIOR APPLICATION NUMBER: PCT/US01/00667
 ? PRIOR FILING DATE: 2001-01-30
 ? PRIOR APPLICATION NUMBER: PCT/US01/00664
 ? PRIOR FILING DATE: 2001-01-30
 ? PRIOR APPLICATION NUMBER: PCT/US01/00669
 ? PRIOR FILING DATE: 2001-01-30
 ? PRIOR APPLICATION NUMBER: PCT/US01/00665
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 ? PRIOR APPLICATION NUMBER: PCT/US01/00661
 ? PRIOR FILING DATE: 2001-01-30
 ? PRIOR APPLICATION NUMBER: US 60/234,687
 ? PRIOR FILING DATE: 2000-09-21
 ? PRIOR APPLICATION NUMBER: US 09/606,408
 ? PRIOR FILING DATE: 2000-06-30
 ? PRIOR APPLICATION NUMBER: US 09/774,203
 ? PRIOR FILING DATE: 2001-01-29
 ? NUMBER OF SEQ ID NOS: 49117
 ? SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
 ? SEQ ID NO 44799
 ? LENGTH: 57
 ? TYPE: PRT
 ? ORGANISM: Homo sapiens
 ? FEATURE:
 ? OTHER INFORMATION: MAP TO ALL58088.6
 ? OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.86
 ? OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.82
 ? OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.76
 ? OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.76
 ? OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.64
 US-09-864-761-44799

Query Match 100.0% Score 25; DB 10; Length 57;
 Best Local Similarity 100.0%; Pred. No 21;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EREKE 5
 DB 2 EREKE 6

RESULT 5
 US-09-864-761-49206
 ? Sequence 49206, Application US/09864761
 ? Patent No. US20020048763A1
 ? GENERAL INFORMATION:
 ? APPLICANT: Penn, Sharon G.
 ? APPLICANT: Hank, David K.
 ? APPLICANT: Hanzel, David K.
 ? APPLICANT: Chen, Wensheng
 ? TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEOTIC ACID PROBES USEFUL FOR
 ? FILE REFERENCE: Acomica-X-1
 ? CURRENT APPLICATION NUMBER: US/09/864,761
 ? PRIOR FILING DATE: 2001-05-23
 ? PRIOR APPLICATION NUMBER: US 60/180,312
 ? PRIOR FILING DATE: 2000-02-04
 ? PRIOR APPLICATION NUMBER: US 60/207,456
 ? PRIOR FILING DATE: 2000-05-26
 ? PRIOR APPLICATION NUMBER: US 09/632,358
 ? PRIOR FILING DATE: 2000-08-03
 ? PRIOR APPLICATION NUMBER: GB 24263 A
 ? PRIOR FILING DATE: 2000-10-04
 ? PRIOR APPLICATION NUMBER: US 60/236,359

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; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
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; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2001-01-29
; PRIOR APPLICATION NUMBER: US 09/774,203
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 39206
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC005553.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 1.6
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 1.6
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 1.5
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL - 1.7
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL - 1.6
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 1.4
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 1.6
; OTHER INFORMATION: EXPRESSED IN HONE MARROW, SIGNAL - 1.6
US-09-864-761-39206

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Query Match 100.0%; Score 25; DB 10; Length 64;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 EREKE 5
DB 7 EREKE 11

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RESULT 6
US-09-864-761-34330
; Sequence 34330, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Weisheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Accomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366

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; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: CH 24263,6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
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; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 34330
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC008174.1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL - 1.6
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 0.67
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL - 0.82
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 0.82
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 1.9
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 0.89
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL - 1.4
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 1
US-09-864-761-34330

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Query Match 100.0%; Score 25; DB 10; Length 80;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 EREKE 5
DB 55 EREKE 59

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RESULT 7
US-09-764-864-1540
; Sequence 1540, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT223
; CURRENT APPLICATION NUMBER: US/09/764,864
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION data removed consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1792
; SOFTWARE: Patent.In Ver. 2.0
; SEQ ID NO 1540
; LENGTH: 87

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? TYPE: PRT
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: SITE
? LOCATION: (87)
? OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-864-1540

Query Match          100.0%  Score 25;  DB 10;  Length 87,
Best Local Similarity 100.0%  Prod. No. 33;
Matches 5;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

QY  1 EREKE 5
    |||||
DB  17 EREKE 21

RESULT 8
US-09-864-761-33372
? Sequence 4472; Application US/09864761
? Patent No. US20020048763A1
? GENERAL INFORMATION:
? APPLICANT: Penn, Sharron G.
? APPLICANT: Rank, David K.
? APPLICANT: Hanzel, David K.
? APPLICANT: Chen, Wensheng
? TITLE OF INVENTION: HUMAN GENOME-DEIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
? FILE REFERENCE: Acomica-X-1
? CURRENT APPLICATION NUMBER: US/09/864,761
? PRIOR FILING DATE: 2001-05-23
? PRIOR APPLICATION NUMBER: US 60/7180,312
? PRIOR FILING DATE: 2000-02-04
? PRIOR APPLICATION NUMBER: US 60/207,156
? PRIOR FILING DATE: 2000-05-26
? PRIOR APPLICATION NUMBER: US 09/632,366
? PRIOR FILING DATE: 2000-08-03
? PRIOR APPLICATION NUMBER: GB 24263 A
? PRIOR FILING DATE: 2000-10-04
? PRIOR APPLICATION NUMBER: US 60/236,359
? PRIOR FILING DATE: 2000-09-27
? PRIOR APPLICATION NUMBER: PCT/US01/00665
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00667
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00664
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00669
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00665
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00668
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00663
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00662
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00661
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00660
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: US 60/234,687
? PRIOR FILING DATE: 2000-06-21
? PRIOR APPLICATION NUMBER: US 09/608,408
? PRIOR FILING DATE: 2000-06-30
? PRIOR APPLICATION NUMBER: US 09/174,203
? PRIOR FILING DATE: 2001-01-29
? NUMBER OF SEQ ID NOS: 49117
? SOFTWARE: Annmax Sequence Listing Engine vers. 1.1
? SEQ ID NO 33372
? LENGTH: 94
? TYPE: PRT
? ORGANISM: Homo sapiens

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? FEATURE:
? OTHER INFORMATION: MAP TO AC005921.3
? OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL - 0.85
? OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 47
? OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 2.3
? OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 3.4
? OTHER INFORMATION: EXPRESSED IN HILION, SIGNAL - 8
? OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 3.2
? OTHER INFORMATION: EXPRESSED IN HPLA, SIGNAL - 3.2
? OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 2.3
? OTHER INFORMATION: EXPRESSED IN H14/4, SIGNAL - 12
? OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 2.3
US-09-864-761-33372

Query Match          100.0%  Score 25;  DB 10;  Length 94;
Best Local Similarity 100.0%  Prod. No. 36;
Matches 5;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

QY  1 EREKE 5
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DB  47 EREKE 51

RESULT 9
US-09-764-864-1125
? Sequence 1125; Application US/09764864
? Patent No. US20020142753A1
? GENERAL INFORMATION:
? APPLICANT: Rosen et al.
? TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
? FILE REFERENCE: F1223
? CURRENT APPLICATION NUMBER: US/09/764,864
? PRIOR FILING DATE: 2001-01-17
? PRIOR APPLICATION DATA REMOVED - consult PALM or file wrapper
? NUMBER OF SEQ ID NOS: 1792
? SOFTWARE: PatentLr Ver. 2.0
? SEQ ID NO 1125
? LENGTH: 121
? TYPE: PRT
? ORGANISM: Homo sapiens
US-09-764-864-1125

Query Match          100.0%  Score 25;  DB 10;  Length 121;
Best Local Similarity 100.0%  Prod. No. 48;
Matches 5;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

QY  1 EREKE 5
    |||||
DB  17 EREKE 21

RESULT 10
US-09-864-761-46721
? Sequence 46721; Application US/09864761
? Patent No. US20020048763A1
? GENERAL INFORMATION:
? APPLICANT: Penn, Sharron G.
? APPLICANT: Rank, David K.
? APPLICANT: Hanzel, David K.
? APPLICANT: Chen, Wensheng
? TITLE OF INVENTION: HUMAN GENOME-DEIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
? FILE REFERENCE: Acomica-X-1
? CURRENT APPLICATION NUMBER: US/09/864,761
? PRIOR FILING DATE: 2001-05-23
? PRIOR APPLICATION NUMBER: US 60/180,312
? PRIOR FILING DATE: 2000-02-04
? PRIOR APPLICATION NUMBER: US 60/207,456
? PRIOR FILING DATE: 2000-05-26
? PRIOR APPLICATION NUMBER: US 09/632,366
? PRIOR FILING DATE: 2000-08-03
? PRIOR APPLICATION NUMBER: GB 24263 B
? PRIOR FILING DATE: 2000-10-04

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: PRIOR APPLICATION NUMBER: US 60/246,359
: PRIOR FILING DATE: 2000-09-27
: PRIOR APPLICATION NUMBER: PCI/US01/006666
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCI/US01/006667
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCI/US01/006664
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCI/US01/006669
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCI/US01/006665
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCI/US01/006668
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCI/US01/006663
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCI/US01/006662
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCI/US01/006661
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: PCI/US01/006670
: PRIOR FILING DATE: 2001-01-30
: PRIOR APPLICATION NUMBER: US 60/234,687
: PRIOR FILING DATE: 2000-09-21
: PRIOR APPLICATION NUMBER: US 09/638,408
: PRIOR FILING DATE: 2000-06-30
: PRIOR APPLICATION NUMBER: US 09/774,203
: PRIOR FILING DATE: 2001-01-29
: NUMBER OF SEQ ID NOS: 49117
: SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
: SEQ ID NO 46721
: LENGTH: 170
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: OTHER INFORMATION: MAP TO AL021579.1
: OTHER INFORMATION: EXPRESSED IN UR100, SIGNAL - 1.2
: OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL - 0.99
: OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 1.3
: OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 1.1
: OTHER INFORMATION: EXPRESSED IN H1474, SIGNAL - 1.2
: OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 1.1
: OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 0.96
: OTHER INFORMATION: SWISSPROT HIT: P48634, EVALUO 1.00e-06
: OTHER INFORMATION: EST_HUMAN HIT: BE046887.1, EVALUO 9.00e-28
: US 09-864-761-46721

Query Match      100.0%   Score 25,   DB 10,   Length 170,
Best Local Similarity 100.0%   Pred. No. 68;
Matches 5;   Conservative 0;   Mismatches 0;   Indels 0;   Gaps 0;

QY 1 EREKE 5
   11111
Db 92 EREKE 96

RESULT 11
: Sequence 592, Application US/09/925,297
: Patent No. US20020081659A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: FILE OF INVENTION: Nucleic Acids, Proteins and Antibodies
: FILE REFERENCE: PA105
: CURRENT APPLICATION NUMBER: US/09/925,297
: CURRENT FILING DATE: 2001-08-10
: PRIOR APPLICATION NUMBER: PCI/US01/006669
: PRIOR FILING DATE: 2000-04-08
: PRIOR APPLICATION NUMBER: 60/224,270
: PRIOR FILING DATE: 1999-03-12
: NUMBER OF SEQ ID NOS: 928
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 592

Query Match      100.0%   Score 25,   DB 10,   Length 178,
Best Local Similarity 100.0%   Pred. No. 72;
Matches 5;   Conservative 0;   Mismatches 0;   Indels 0;   Gaps 0;

QY 1 EREKE 5
   11111
Db 30 EREKE 34

RESULT 12
: Sequence 821, Application US/09/925,299
: Patent No. US20020055627A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: FILE OF INVENTION: Nucleic Acids, Proteins and Antibodies
: FILE REFERENCE: PA102
: CURRENT APPLICATION NUMBER: US/09/925,299
: CURRENT FILING DATE: 2001-08-10
: PRIOR APPLICATION NUMBER: PCI/US01/05883
: PRIOR FILING DATE: 2000-03-08
: PRIOR APPLICATION NUMBER: 60/124,270
: PRIOR FILING DATE: 1999-03-12
: NUMBER OF SEQ ID NOS: 1556
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 821
: LENGTH: 259
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-09-925-299-821

Query Match      100.0%   Score 25,   DB 10,   Length 259,
Best Local Similarity 100.0%   Pred. No. 11e+02;
Matches 5;   Conservative 0;   Mismatches 0;   Indels 0;   Gaps 0;

QY 1 EREKE 5
   11111
Db 180 EREKE 184

RESULT 13
: Sequence 1253, Application US/09/764,864
: Patent No. US20020132753A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: FILE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: PT23
: CURRENT APPLICATION NUMBER: US/09/764,864
: CURRENT FILING DATE: 2001-01-17
: Prior application data removed - consult PALM or file wrapper
: NUMBER OF SEQ ID NOS: 1792
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 1253
: LENGTH: 264
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: SITE
: LOCATION: (35)
: OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
: NAME/KEY: SITE
: LOCATION: (222)
: OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
: NAME/KEY: SITE
: LOCATION: (255)
: OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
: NAME/KEY: SITE
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; LOCATION: (259)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (261)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (263)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-09-764-864-1253

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Query Match      100.0%; Score 25; DB 10; Length 264;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 EREKE 5
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Db 75 EREKE 79

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RESULT 14

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US-09-848-294-5
; Sequence 5, Application US/09848294
; Patent No. US20020049179A1
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas K.
; TITLE OF INVENTION: Isolation of A cDNA Encoding A No. US20020049179A1c1
; TITLE OF INVENTION: Protein Tyrosine Phosphatase Which Localizes to Focal
; FILE REFERENCE: CSH90-04FZA
; CURRENT APPLICATION NUMBER: US/09/848,294
; CURRENT FILING DATE: 2001-05-03
; PRIOR APPLICATION NUMBER: 09/235,251
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 08/759,536
; PRIOR FILING DATE: 1996-12-04
; PRIOR APPLICATION NUMBER: 08/107,420
; PRIOR FILING DATE: 1993-08-16
; PRIOR APPLICATION NUMBER: 07/663,579
; PRIOR FILING DATE: 1991-03-01
; PRIOR APPLICATION NUMBER: 07/494,036
; PRIOR FILING DATE: 1990-03-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FASTSQ for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 336
; TYPE: PRT
; ORGANISM: Homosapiens
US-09-848-294-5

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Query Match      100.0%; Score 25; DB 10; Length 336;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 EREKE 5
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Db 330 EREKE 334

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RESULT 15

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US-09-738-626-5874
; Sequence 5874, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO

```

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; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249 125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280989
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 5874
; LENGTH: 337
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-5874

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Query Match      100.0%; Score 25; DB 9; Length 337;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 EREKE 5
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Db 190 EREKE 194

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Search completed: January 16, 2003, 17:00:05
Job time : 4.07143 secs

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